



2343-179-27.ST25

SEQUENCE LISTING

<110> Lawrence, Mark L.
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Ainsworth, A. Jerald
Austin, Frank W.

<120> Use of Novel Virulence-Specific Genes as Targets for Diagnosis
and Potential Control of Virulent Strains of *Listeria Monocytogenes*

<130> 2343-179-27

<140> US 10/767,441
<141> 2004-01-30

<150> US 60/444,201
<151> 2003-02-03

<150> US 60/447,297
<151> 2003-02-14

<150> US 60/458,414
<151> 2003-03-31

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tgatttatta gatcagtttg gaaatccgat gaatattgaa ccgggagacg gcggtgtgta 1440
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<213> Artificial Sequence

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<220>
<223> primer

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<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

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<220>
<223> primer

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<400> 11
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<210> 12
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<212> DNA
<213> Artificial Sequence

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<220>
<223> primer

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 <220>
 <223> primer
 <400> 13
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 <210> 14
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> primer
 <400> 14
 aacttcgcat ttgttatgtg ttac 24
 <210> 15
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> primer
 <400> 15
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 <212> DNA
 <213> Artificial Sequence
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 <223> primer
 <400> 16
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 <210> 17
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<211> 20
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<220>
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<400> 18
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<210> 19
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<400> 19
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<220>
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<400> 20
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<210> 21
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 <212> DNA
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<220>
 <223> primer

<400> 21
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<210> 22
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<220>
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<400> 22
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<210> 23
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<220>
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 <400> 23
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 <210> 24
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 <220>
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 <400> 24
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 <210> 25
 <211> 26
 <212> DNA
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 <220>
 <223> primer

 <400> 25
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 <210> 26
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer

 <400> 26
 tgtaaccccg cttacacagt t 21

 <210> 27
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer

 <400> 27
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 <210> 28
 <211> 540
 <212> DNA
 <213> *Listeria monocytogenes*

 <400> 28
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 agcaaggact gtcagttcct gattccgata tgtaaatctc catatcggaa gtgcttgaaa 180

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caccagtaag cactttgctt ggagaaaactg ttatgggttc aaagggttgat gatgtaaaaag 240
caattttcga aaaactggag attataaact tacagtttgc tcaaagaaag accgccagac 300
gaaaaatgct ttattggcta tttgtctcgt tgtgtgccgt tatagcaata atttctgcgg 360
tctttataat actaaatagt ccttacttag gttgggatta tagtgatcct gaaactagcg 420
ttatcgaggt agcttttcat acatttgaat ggttggttgt cagattagca ccgattatcc 480
ttataggagg agtcggttga atttttctaa cgcggaagaa cgtataaaat cgtactatgt 540

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<210> 29
 <211> 1080
 <212> DNA
 <213> *Listeria monocytogenes*

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<400> 29
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attctacgct tcattttttc acgaacatgt aatggctcta aacattcgca tttatcgcca 180
aaactcaaga gaatatcata gtgatactcg ttttctataa aaggaaaact gacaatgtaa 240
tgctcctcac catcgggata aaaattttca taagagcaat aatcaagcac tctatcgata 300
atggattgat gaatacgaat ttttaatttct atctgcataa ttgctacaat atcttccatt 360
tctaactgtg gcttttgaaa atctcgaggt gtaaaagtgt cctcaagtat ttgcagacca 420
gacatacgag ataacctgaa taaacgaaaa tcattcctat tttggcaata cccatacaaa 480
taccagtggc tgcttttcat tacaagctga tatggttcaa ctattcttac ggtcttattt 540
ccttggtgag ctatatattc aaaggttagt aacttgtttt cctgcaaagc cactttgata 600
atttctacat gtggttgtat gttgttattt cccgtccact ggcttaaatac tatataaatt 660
tggttcgctt ttagctcgat ttcttttgcg ctatcagctg ggataaaaact ttttattttt 720
gcaagagcat ttatcagttc atctccgcgt accatggttag aaagacttga aaggcccata 780
agaatagcgg aaaggtctgc tgttgaaaaa accttgctat ccattcttga gtcaggcata 840
atttcaaacc cgccacctac gccgggtgtt gaacgaatag gtacaccagc caagtcaatc 900
gcgtctatgt cagcataaat tgtacgaagc gaaacttcaa atctatcagc taactcttgt 960
gcgctaatac gttctttatc aaggagaatt aaaacaatgc tcataagcct atcaactttc 1020
atataatagc cacctttcaa aattactata tattgttgcc ataatggtgt caacaatcgg 1080

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<210> 30
 <211> 772
 <212> DNA
 <213> *Listeria monocytogenes*

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<400> 30
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ccagcgaaga ttacgacacg tcttttttcc aagtgtctga ttgctttccg gcgaatataa 180
ggttcagcga tttggcgcat atcgatagaa gtttgtacac gtggtgttac cccaatattt 240
tccaaggaat cttgaagaga taaggaattc atgaccgttg caagcattcc catataatct 300
gctgctgcac gatcaaggct aatcttaccg gtcagttcct aggtctttaa tatgtgctac 360
ctattttaac gaaacaagga aatggaagcg ttatcaacac ggcttctgtg gccggacttg 420
atggcagttc ctttttagcg ccatatgtgg cttcaaaaaca cggcgtcagt ggtctgacaa 480
aagtcgcgag cactagaagt agcggataaa ggtgttcggg tcaactccgt ccatccatca 540
ccagtcaata cccgatgat gcgatcgatc gaaaagaatc tcaaccaga cgatgcggaa 600
aaagcaaaag aagaatttac aaaagatatt ccagtcggaa gatatgcaga agccagcgat 660
gtcgcgaaac ttgtcttatt cctagcctcg gacgatagca aatttatcac tgggtgcgaa 720
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<210> 31
 <211> 1377
 <212> DNA
 <213> *Listeria monocytogenes*

<400> 31

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gaattcctta ttcacttgag ctattttatc tagtcttttt ttagaacatt tttactttct 180
atagagaaaa ttactacttc aaggccttatt actaagcaat aattaattta ctaaaaatgg 240
ctttatacca atattcacct gtttttccgt tttttaaaaa caactttcac taaaaacaac 300
ttcacaattt ttacacattt aaccaactaa gtaaaaatcg ctatatatca gtcatttaac 360
caatttttaa tttttcgtaa tacaattgta atagattttt tttcttgttt tttgatatta 420
taattacaaa tagataaaaa aggagtgtt agaactgtgg ataaaaagt ttatgaaatca 480
gggattatta tactcattgt ggcattttatt gtagtttcaa tgaatgttgg agcagaaacg 540
ggtgataatc aggtttctca agttgagtta agttcgcagc aacaagcatt tattaatgaa 600
attttaccgg ctgctcaaga tgggtctacgt gacggaaagc ttttagccag tghtaacactc 660
gctcaagcta tattggaatc taattggggt gaaagtgggt taagcaaaaa ctccaataat 720
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catactgatt taattacaca caacgcacgc tataaaggcg cagtcggcg aacagattac 900
cgcaaagcta tacaagcaat taaagatggt ggttatgcga ctgatcatgg tgcagaaaca 960
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cttgataaaa acttttacgg caccatttcc gactttgatt tagaatagaa gtggccgatt 1320
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<210> 32

<211> 1537

<212> DNA

<213> *Listeria monocytogenes*

<400> 32

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attagttaaa ttaggtagat tttttaaatc tgtaatttct ttttaacttac tacaaccact 180
tagttgaatc atttcaaggg tatgtaatcc cactaatgtc tccaactgtc tccatatccg 240
tacagttact cgcatacaatt aattggattg aggtagaacc atttaattgt tctaaaacttt 300
ccaaagaaga atttcccttg atataaagat ttttcaattt tggtaattgt gctaattgcag 360
ttaaatcttg caagtcattc tcttgtaaat aaaatgtctc tagttcaggc aaagcatcct 420
cccgcaggat ttttcaagtt ctaatgtttg aatgtttaca acccttgccg actgatttct 480
ttcaaggctg gtaacggctg ctactggtga aatatcagct aaagattcta ccaagttgat 540
acatttaaaa tcttgtaaac tggggtaaac ctccacacac ccgtttaaag tcttctaaaa 600
ttttggctcg gaagaagaga tttattagcc acctattttt ccgttaaacc agtcaagtcg 660
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gttgctctaa tgcatttttc actcaaaaaa aacaagccag ataatttcgg cttgtttcga 1440
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aaagcgagca atttcattgc cgacaattcc tttacga 1537

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<210> 33

<211> 825
 <212> DNA
 <213> *Listeria monocytogenes*

<220>
 <221> misc_feature
 <222> 610
 <223> n = A,T,C or G

<400> 33
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 aattccgaat gcgatagata tcattttcac tcccacattg gtgctactca ttattggtgt 120
 agtaactatt ttcttaataca tgccattcgc cggacttggt tctgatggat tagtgaacgg 180
 aatcaactgg gttatcgaag ttggcggtgt ttttgccgga tttgttcttg gtacattatt 240
 cttaccaatg gtcagtgttg gtttacatca agttttaaca ccaattcatg tagaaatgat 300
 tgcccaaagt gggtatacaa tattattacc gatttttagca atggcaggtg gtggacaagt 360
 cgggtgcatcc atcgctcttt ggattcgttg tcgtaaaaat aaaccacttg ttaacatgat 420
 taaaggtggc cttccagtag gtatttttagg aattggcgag ccattaattt atggagttac 480
 cattccactt ggtagaccct ttctaactgc ttgtcttggt ggtggtattg ggggcgcagt 540
 gattggattc ttcggaacaa ttggttcgat tgccattgga ccttctgggg tagcgcttat 600
 tccattaatn cgctaacaat gaatggtttg gatatatcat tgggtctagta gctgcatatc 660
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